

What is claimed is:

1. An illumination assembly usable with a device for illuminating a predetermined work area thereof, said illumination assembly comprising:
 - a) a light source comprising at least one light generating element,
 - b) a power supply electrically connected to said light source,
 - c) a mounting assembly connected in supporting relation to at least said light source, and
 - d) said mounting assembly structured to adjustably secure said light source on the device in a position which facilitates illumination of the predetermined work area.
2. An illumination assembly as recited in claim 1 wherein said mounting assembly is structured to adjustably secure said light source in any of a plurality of positions on the device so as to selectively vary the illumination of the predetermined work area.
3. An illumination assembly as recited in claim 1 wherein said mounting assembly is structured for movable and removable disposition of said light source on the device.
4. An illumination assembly as recited in claim 1 wherein said one light generating element comprises an LED.
5. An illumination assembly as recited in claim 4 wherein said light source comprises a plurality of LED's.

- 1 6. An illumination assembly as recited in claim 5 wherein at
2 least one of said plurality of LED's is adjustably
3 positionable relative to a remainder of said plurality of
4 LED's.
- 5 7. An illumination assembly as recited in claim 4 wherein said
6 LED is movably interconnected to said mounting assembly and
7 selectively positionable along at least relatively transverse
8 axes.
- 9 8. An illumination assembly as recited in claim 4 wherein said
10 light source comprises a connector member interconnecting said
11 LED in outwardly spaced relation to said mounting assembly.
- 12 9. An illumination assembly as recited in claim 8 wherein said
13 connector member comprises an elongated configuration and is
14 at least partially formed from a pliable material.
- 15 10. An illumination assembly as recited in claim 9 wherein said
16 connector member comprises an electrical conductor between
17 said LED and said power supply.
- 18 11. An illumination assembly as recited in claim 1 wherein said
19 power supply is supported on said mounting assembly
20 substantially adjacent to said light generating member.
- 21 12. An illumination assembly as recited in claim 1 further
22 comprising a support platform secured to said mounting
23 assembly in supporting relation to both said light source and
24 said power supply.
- 25 13. An illumination assembly as recited in claim 1 further

comprising an interface at least partially formed of
conductive material and structured to detachably and
electrically connect said power supply to said light source.

14. An illumination assembly as recited in claim 13 wherein said
interface comprises a plug-in connector assembly.

15. An illumination assembly as recited in claim 13 wherein said
light source comprises a plurality of light generating
elements, each of which are respectively interconnected to
said power supply by said interface.

16. An illumination assembly as recited in claim 1 wherein said
light source further comprises an extension assembly extending
outwardly from said mounting assembly and including an
elongated neck and a mount secured to one end of said neck.

17. An illumination assembly as recited in claim 16 wherein said
light source comprises at least one light element disposed on
said neck substantially adjacent an outer portion thereof.

18. An illumination assembly as recited in claim 16 wherein said
light source comprises a plurality of light generating
elements extending along a length of said neck in outwardly
spaced relation to said mounting assembly.

19. An illumination assembly as recited in claim 16 wherein said
neck comprises a substantially angular configuration along at
least a portion of its length.

20. An illumination assembly as recited in claim 1 wherein said
mounting assembly comprises a sleeve having a peripheral wall

terminating in opposite, open ends and disposed in surrounding relation to a hollow interior of said sleeve.

21. An illumination assembly as recited in claim 20 wherein said sleeve is formed of a flexible material and is disposable in surrounding relation to a substantially correspondingly dimensioned portion of the device.

22. An illumination assembly as recited in claim 21 wherein said sleeve is formed of an at least partially resilient material.

23. An illumination assembly as recited in claim 20 wherein said sleeve is formed of an at least partially rigid material.

24. An illumination assembly as recited in claim 20 wherein said peripheral wall comprises a closed, continuous configuration between said opposite open ends thereof.

25. An illumination assembly as recited in claim 20 wherein said peripheral wall further comprises an access opening formed along a length thereof and a closure assembly disposed along a length of said access opening.

26. An illumination assembly as recited in claim 25 wherein said access opening and said closure assembly are cooperatively disposed and structured to orient said peripheral wall between an open position and a closed position.

27. An illumination assembly as recited in claim 26 wherein said open position is at least partially defined by substantially transverse placement of the device through said access opening and into said hollow interior.

1 28. An illumination assembly as recited in claim 20 wherein said
2 light source is disposed on an exterior of said sleeve and
3 movable therewith relative to the device.

4 29. An illumination assembly as recited in claim 28 wherein said
5 light source comprises a plurality of LED's at least one of
6 which defines said one light generating element.

7 30. An illumination assembly as recited in claim 1 wherein said
8 mounting assembly comprises a clamp assembly including a
9 platform and a plurality of flanges extending outwardly from
10 said platform and at least partially movable relative thereto,
11 said flanges disposable in gripping, at least partially
12 enclosing relation to the device.

13 31. An illumination assembly as recited in claim 30 wherein said
14 clamp assembly further comprises a biasing structure disposed
15 in biasing relation to said flanges and structured to normally
16 force said flanges into said gripping engagement with the
17 device.

18 32. An illumination assembly as recited in claim 31 wherein said
19 biasing structure comprises a spring member connected in
20 biasing relation to said flanges.

21 33. An illumination assembly as recited in claim 31 wherein said
22 biasing structure is inherently formed in said clamp assembly
23 and is at least partially defined by a configuration of said
24 platform and said flanges and a material from which said
25 platform and said flanges are formed.

1 34. An illumination assembly as recited in claim 30 wherein said
2 platform comprises a housing, wherein at least said power
3 supply is mounted on said housing.

4 35. An illumination assembly as recited in claim 34 wherein both
5 said light source and said power supply are mounted on said
6 housing.

7 36. An illumination assembly as recited in claim 35 wherein said
8 housing comprises an at least partially hollow interior, said
9 one light generating element and said power supply mounted
10 adjacent opposite ends of said housing.

11 37. An illumination assembly as recited in claim 34 wherein said
12 light source is mounted on said platform is spaced relation to
13 said housing.

14 38. An illumination assembly as recited in claim 37 wherein said
15 light source comprises a plurality of LED's mounted on said
16 platform, at least one of said LED's being selectively
17 adjustable relative to said clamp assembly.

18 39. An illumination assembly usable with any one of a plurality of
19 devices for illuminating a predetermined work area of the
20 device, said illumination assembly comprising:

21 a) a mounting assembly movably and removably connected to
22 the device,

23 b) a light source comprising at least one LED supported on
24 the mounting assembly and movable therewith relative to
25 the device,

1 c) a power supply supported on the mounting assembly and
2 electrically connected to said light source, and

3 d) said light source and said mounting assembly
4 cooperatively structured to facilitate adjustable
5 positioning of said light source on the device and
6 selective orientation of said LED relative to the work
7 area of the device.

8 40. An illumination assembly as recited in claim 39 wherein said
9 one LED is movably connected to said mounting assembly and
10 disposable in a plurality of different illuminating
11 orientations relative to the work area.

12 41. An illumination assembly as recited in claim 39 wherein said
13 light source comprises a plurality of LED's, at least one of
14 said plurality of LED's is movable relative to a remainder of
15 said plurality of LED's into a plurality of different
16 illuminating orientations relative to the predetermined work
17 area.

18 42. An illumination assembly as recited in claim 39 wherein said
19 mounting assembly comprises a sleeve having a peripheral wall
20 terminating in opposite open ends and disposed in surrounding
21 relation to a hollow interior of said sleeve.

22 43. An illumination assembly as recited in claim 42 wherein said
23 sleeve is formed of a flexible, at least partially resilient
24 material and is disposable in surrounding relation to
25 substantially correspondingly dimensioned portions of the

1 device.

2 44. An illumination assembly as recited in claim 42 wherein said
3 sleeve is formed of at least partially rigid material.

4 45. An illumination assembly as recited in claim 39 wherein said
5 mounting assembly comprises a clamp assembly including a
6 platform and a plurality of flanges extending outwardly
7 therefrom, a biasing structure disposed in biasing relation to
8 said flanges and structured to normally force said flanges
9 into gripping engagement with the device.

10 46. An illumination assembly as recited in claim 39 wherein said
11 light source further comprises an extension assembly including
12 a neck extending outwardly from said mounting assembly and
13 including at least one element disposed on said neck adjacent
14 an outer portion thereof.

15 47. An illumination assembly as recited in claim 46 wherein said
16 light source comprises a plurality of light emitting diodes
17 extending continuously along a length of said neck in
18 outwardly spaced relation to said mounting assembly.

19 48. An illumination assembly as recited in claim 39 wherein said
20 LED is both rotationally and pivotally connected to said
21 mounting assembly.